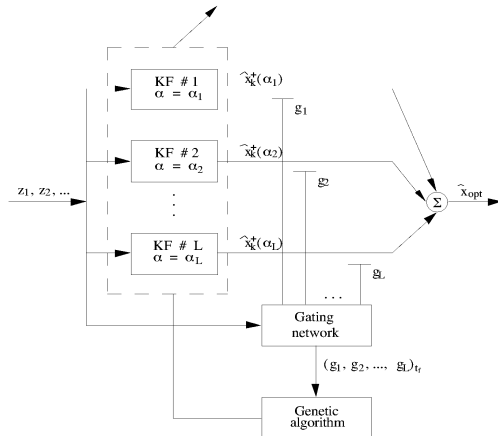
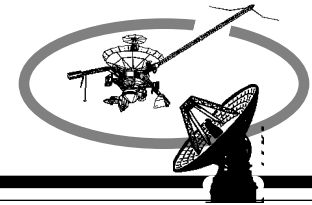
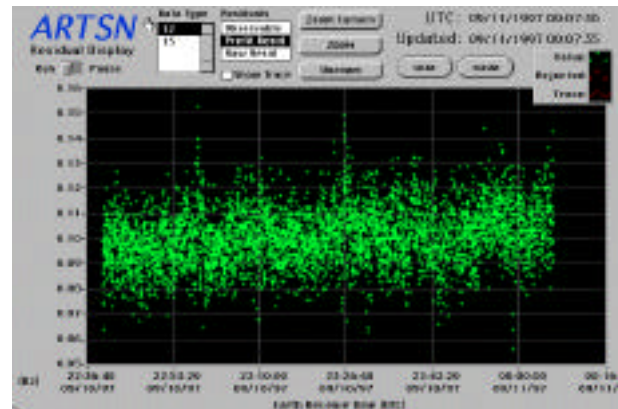


Navigation Work Area



Adaptive Orbit Determination



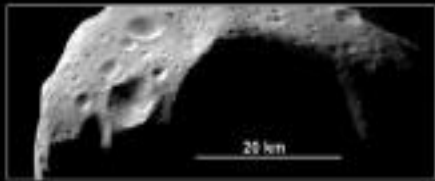
Automated Deep Space Orbit Determination

- High-Fidelity navigation algorithms
- Navigation planning and support
- Navigation System Design
- Automated data conditioning
- Real-Time Software Design
- Automated Trajectory Design
- Automated Maneuver Design

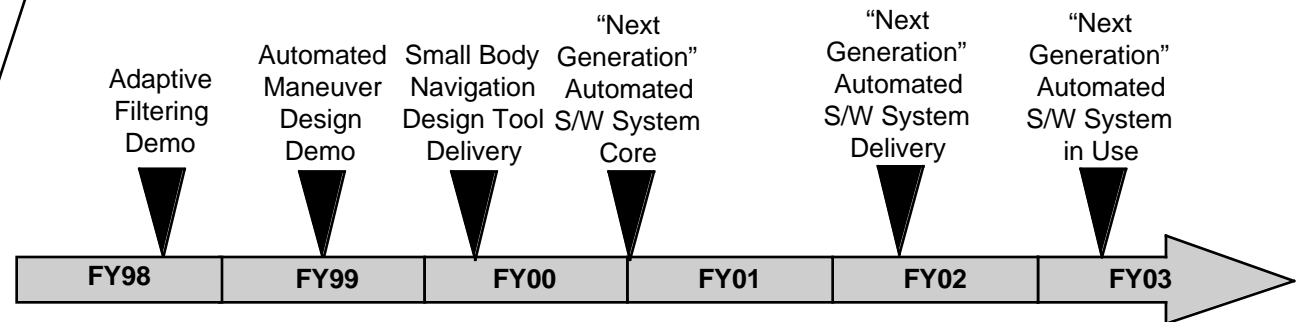
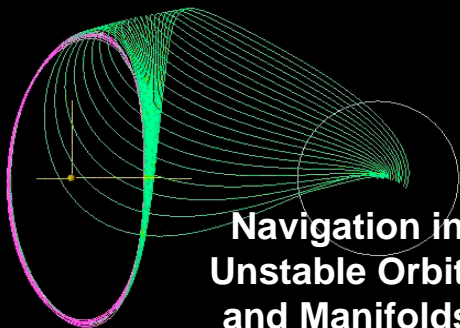
Skills leading to techniques that improve navigation capability

- Skills leading to**
- Systems for ground-based and on-board autonomous navigation efforts
 - Low-cost methods that streamline DSN navigation operations

Navigation at Small Bodies



Navigation in Unstable Orbits and Manifolds



High-Level Timeline